

From qrp-1@Lehigh.EDU Mon Sep 11 19:52:00 1995
From: Fred Moore <fmoor@magicnet.net>
Subject: [3144] Arganout 509
Message-ID: <199509110946.FAA01476@magicnet.magicnet.net>

This weekend was the Melbourne hamfest here in Florida, I came away with a Argonaut 509 for 180 dollars, including a mic, Ten-Tec power supply, and Ten-Tec crystal callibrator, Cosmetically the rig was in perfect shape and I was guaranteed by the seller that the rig worked perfectly as it was only being sold because she had 3 of the gems. The only thing that I noticed was that the dial cord seemed to be slipping.

After getting the gem home and taking the covers off I found that the problem was not the dial cord but a mechanical bind in the PTO (20 years of hardened factory lubricant GUNK) As I am sure that some of you have this rig sitting on a shelf with the same problem hopefully the following information will be of interest.

If you attempt this make a drawing of the spacers, washers, etc they must go in exactly the same way as they came out.

Remove the PTO assemble, unsolder the wires on the outside of the assemble, carefully!, now start the dissembly, carefully loosen the inside nut on the front of the PTO slide shaft (guessing at the original name, the part with the long spring). After the nut is loose slide the shaft to the rear remove the nut, and pull the shaft out watch out for flying springs, and spacers (from the rear). Unsolder the 24 ga. coil wires they are wrapped around the posts. Now remove the two rear screws holding the rear hub. CAUTION this assemble is spring loaded hold the assemble rear "up" THIS WILL KEEP THE BALL BEARINGS FROM FALLING OUT. (dial shaft down). Once removed you should be able to slide the shaft to the rear when doing so the 3 ball bearing in the front will fall out (in my case they were stuck), if so pull out the inner shaft this will force out the bearings (don't let them loose on the floor). Once the bearings are loose the shaft should move forward enough to allow the coil to be removed.

Another hobby of mine is Model Railroading, from this hobby I learned that many solvents in paints melt plastic, the one solvent (I am sure there are others I havn't found) that doesn't seem to effect plastic is "Naphta" available at any home / hardware store used for thinning some varnish. Place all of the parts (except the coil form, and the inner core assemble in a small dish of Naphta, the grease will immediately dissolve, Using a Q-tip clean (Naphta on it) all grease from the inside of the core assemble (lead screw), Using a very light greese (I suggest Lubriplate as it doesn't get hard later) grease the lead screw and start the reassemble process, This process takes about one hour. If you are very carefull with the length of the coil leads, resolder exactly as they were you will have very little realignment necessary.

The little rig now works perfectly with the exception of an AGC problem. I will work on it next week.

I am sure that during the last 20 years that there have been numbrous modifications to this rig, if anyone knows of them please e-mail me. Also with the rig I received an owners manual, Was there ever a serice manual printed?, if anyone has one I would be happy to pay for copying and shipping costs.

One final note the person who owned this rig had placed their call (decal) on the front panel, and then sprayed it with clear lacquer. I removed it without any damage to the panel by using "Polly S easy-lift-off this is a very slow acting paint and decal remover availiabile at any good hobby shop. It acts very slow, apply to the spot with a Q-tip, keep rubbing in circles when the layer is removed immediately wash with windex or equivilent. apply wax to the surface. In my case you can't find any trace of dammage.

File this information away in the gray matter, You may need it some day..

Thanks in advance for any information on this rig..

My words are my own and copyrighted.

Fred Moore (ARS: WD8KNI) E-Mail: fmoor@magicnet.net

Work: Phone: (407) 678-7233

Central Florida Safe & Lock ESD, Inc

2070 Forsyth Rd

Orlando, Fl 32807

Home: 2118 Allspice Ave.

Orlando, Fl 32837

From qrp-1@Lehigh.EDU Mon Sep 11 19:52:00 1995

From: "JOHN F. McCLUN" <JFM001@DENTAL3.AB.UMD.EDU>

Subject: [3147] Coherent CW Library

Message-ID: <9509111905.AA12354@comm1.ab.umd.edu>

To Coherent CW Enthusiast:

I am announcing the formation of a depository of CCW articles. The articles were originally in print form, collected by Peter Eaton, WB9FLW, an supplied in copy format to those who requested one. He and I have worked together in order to provide the information, OCR 'ed and stored on my net server. All authors gave verbal permission for Peter to provide their articles to all interested parties.

Most of the articles are from Ray Petit, W7GHH; Adrian Weiss, K8EEG/O; Charles Woodsen, W6NEY; Peter Lumb, G3IRM and Bill de Carle, VE2IQ. It is a very extensive library, comprising over 400 written pages of data, 50 + pages of schematics, figures and tables. Presently I have about 2/3's of it available. Most of it has not been spell checked as of yet. That is time consuming on items that have been OCR'ed into digital form. I could use help of the original authors or others who can proof read the articles.

Also in the directory you will find Ernst Schreoder's PCW program, instructions and notes. This is distributed as per his instructions on shareware form. If you copy it please follow his instructions for use and payment.

Winzip is also provided as a Windows zip/unzip utility. This is a VERY good archiver in shareware form and is well worth the registration. All files were zipped using this utility.

Thank you for the airspace and time. Please feel free to contact me at mcclun@clark.net. The ftp site is Anonymous FTP : ftp.clark.net.mcclun
Please see the index for a listing of files, readme for some information and .message for other instructions.

John <N3REY> If God's progression was from the least
of his creations to the highest of his
creations, why was Eve created last ? :-)

From qrp-1@Lehigh.EDU Mon Sep 11 19:52:00 1995
From: "John D. Spittle" <jds@freenet.vancouver.bc.ca>
Subject: [3151] DIGITAL DISPLAY FOR THE EPIPHYTE
Message-ID: <Pine.3.89.9509111433.A4513-0100000@opus.freenet.vancouver.bc.ca>

Please note the following error in the circuit diagram in both QRPP and SPRAT.. In Fig 4. - Offset Logic, U-1 shows two "Pin 15s". Pin 15 goes to the Reset line as shown. The other Pin 15 (input from the 2N3904) should have read PIN 13. My apologies for not having posted this before now.

72 Derry VE7QK

From qrp-1@Lehigh.EDU Mon Sep 11 19:52:00 1995

From: frank@yorks.demon.co.uk (Frank, G3YCC)
Subject: [3146] Epiphyte Digi readout pcb?
Message-ID: <7198@yorks.demon.co.uk>

Hi, can anyone tell me if a pcb is available for the digital readout
for the Epiphyte, as described in SPRAT?
Thanks & 72/3

--

Frank G3YCC (G QRP 042)
Email: frank@yorks.demon.co.uk

From qrp-1@Lehigh.EDU Mon Sep 11 19:52:00 1995
From: burdick@interval.com (Wayne Burdick)
Subject: [3152] mistake Re: update: new Sierra changes and additions
Message-ID: <v02130524ac7a778d973b@[199.170.106.28]>

Ooops. Thanks, Rand. Of course Bob heard about my incorrect posting of
his number about 10 seconds after I hit the "send" button.

Wayne

>Just a note to correct Bob Dyer's phone number; you had
>
> 415-484-3806, and of course it's -494-
>
>73,
>
>Rand W1GXX

From qrp-1@Lehigh.EDU Mon Sep 11 19:52:00 1995
From: pcalcand@sescva.esc.edu (PETER CALCANDY)
Subject: [3153] NEW YORK CITY METRO AREA HAMFEST
Message-ID: <95091118505357@sescva.esc.edu>

The Long Island Mobile Amateur Radio Club is sponsoring its fall classic this
Sunday in the parking lot of Briarcliff College in Woodbury, Long Island
New York. Sellers are admitted at 7AM and buyers are let in at 9AM.
Take the Long Island Expressway or the Northern or Southern Parkway's to
the Seaford Oyster Bay expressway (NY135) NORTH. Exit the expressway
at Jericho Turnpike EAST exit, two quick rights and follow your nose about

a quarter of a mile. (Just follow the cars with the funny antenna's.)
LIMARC hamfests are generally well attended and offer a great variety of good stuff. Additionally, since GOD is a member, the weather is always good. Thats Sunday, Sept. 17, Woodbury Long Island New York, 7AM for sellers, 9AM for buyers. See you there.

Regards,
Peter N2KPY

From qrp-1@Lehigh.EDU Mon Sep 11 19:52:00 1995
From: Mike.Czuhajewski@bbs.abs.net (Mike Czuhajewski)
Subject: [3138] QRP showing at hamfest
Message-ID: <1995Sep10.201212.1702@abs.net>

The FARFEST (Foundation for Amateur Radio) hamfest at Gaithersburg, MD is one of the biggies in this area, and this year it looked like the tailgating area had one of its largest turnouts. Bruce Muscolino, W6TOY (bruce3900@delphi.com) shelled out the bucks for an inside table and I brought along one of the QRP ARCI banners and a small stack of the July issue of the QRP Quarterly (about a dozen, which turned out to be far too few). We had a good time, taking turns manning the table (which was changed to #221 at the last minute--Bruce sends his apologies to anyone who looked for #318).

We didn't have any rigs hooked up, but Bruce did have two MXM's to show off, along with an NE4040 and I brought along my Tiny Weekender as well as the QRP Key, my DB-25 transmitter and one of the DB-25 transceivers. We talked to a number of QRPers, including a few who appear on QRP-L, and gave away all 14 copies of the QRP Quarterly that I had. Mistake #1--don't go to a big hamfest with just a dozen copies of the Quarterly (or whatever your QRP publication). Take more, and also take along other handouts, like brochures and application sheets.

Fortunately S&S Engineering was on the lower floor below us, and I had made arrangements for the printer to send them a box-o-Quarterlies. I talked Kathy into giving me the stack of 14 that she had left, and those didn't take too long to disappear, either. We didn't just put a pile of them on the table--we just left one out, with the rest out of sight and gave them to only those who were interested in a copy, but even that was a lot of people! We went through 28 copies in a few hours, so we'll either have to make up some cheap giveaway samples, sort of a compilation, or start charging a nominal fee for them. (It does cost the club a fair amount to have these things printed!)

BTW, Dick and Kathy now have operational models of the 40 meter version of the TAC-1, their knob tuned, synthesized rig. Or, as the classified ads department of QST insists on calling it, month after month, despite repeated attempts by S&S to have the spelling corrected, "know tuned" :-)

Bruce had to leave about noon, and I left after the last of the Quarterlys was gone, about 1 PM. It was a good learning experience for someone wanting to promote a QRP organization (or any organization!) at a hamfest. It was a lot of fun talking to people about QRP and "showing the flag". Some suggestions for handouts, in addition to copies of your QRP publication--brochures about the organization, application forms AND RECEIPTS TO GIVE FOR ANY MONEY TAKEN IN, perhaps additional brochures or sheets listing some of the QRP nets, other QRP organizations, QRP manufacturers and parts suppliers. And a lot more QRP rigs to show off.

In the case of the QRP ARCI, the fee for the table, booth, tailgating slot, whatever, will be reimbursed. I don't have any word from the Pres on other things like copying expenses for those brochures and lists, but would presume that they may be covered as well. Sorry, we won't pay for your lunch, admission ticket, mileage to get there, etc--you would have gone to the hamfest anyhow, right? :-) Before you make any significant expenditures, you might want to check with Buck first to make sure it will be reimbursable. There is a limit to what the club will pay for; something like a QRP hospitality suite with free drinks and food would probably be stepping over the line :-)

Having one of the QRP ARCI banners taped to the wall really helps draw a lot of QRPers. As the July issue of the QRP Quarterly said, the Club has several scattered around the country, available for loan; I have the East Coast loaner. (And if you get one shipped to you, keep the receipt when you ship it back or to the next person, so you can get reimbursed for the cost. And when it comes in, keep the box it comes in; they are heavy duty boxes and will be reused until they fall apart.)

Not sure who else from this area is going up with me, but the York, PA hamfest is on 23 and 24 Sept, and I'll be there, along with the banner, on the 23rd. Rich Arland, K7YHA, has already put out the word on QRP-L for the Central PA QRP folks to meet him there on Sat, and some of the Maryland Milliwatts will join them. Unfortunately, Dick and Kathy of S&S will be at another hamfest on that weekend, so you won't have a chance to see their TAC-1 rigs.

73 and Queue Our Pea DE WA8MCQ

--

Mike Czuhajewski, user of the UniBoard System @ abs.net
E-Mail: Mike.Czuhajewski@bbs.abs.net
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From qrp-1@Lehigh.EDU Mon Sep 11 19:52:00 1995
From: jlowman@iepsnet.com (Jim Lowman)
Subject: [3140] QRP+ availability
Message-ID: <199509110103.VAA123450@nss1.CC.Lehigh.EDU>

I just spoke with a fellow at Index Labs of Friday, who told me that the backlog problem has been corrected, and that rigs are available for off-the-shelf delivery.

He also mentioned that the latest modification is 1-wpm steps on CW.
Guess this shows that they listen to their customers.

I was hesitating, wondering if I should send this info out, in case IL gets deluged with new orders, and by the time my order gets there next week (after payday) they might be backlogged again. But that's kinda selfish, right? :-)

73, Jim - KF6CR

From qrp-1@Lehigh.EDU Mon Sep 11 19:52:00 1995
From: "'AB7HI' Stephen Lee" <slee@u.washington.edu>
Subject: [3142] QRP+ Group Buy II
Message-ID: <Pine.A32.3.91j.950910200124.69303A-100000@homer12.u.washington.edu>

Talked to Bruce at Index Labs on Wednesday last when I just got back in town from vacation. Since then have had a root canal done and left town again (what fun, eh?). At any rate, he's ready to entertain the QRP-L group buy now. Here's the good news:

1. Bruce is caught up on his backorders and is now shipping from stock.
2. Yes, the keyer WPM increment is now set to 1 WPM.
3. There is mode memory now, so whatever mode it was in when turned off is the mode set at the next power on.

4. Bruce has incorporated a few other tweaks but didn't elaborate or go into detail about what those were. Mostly software related.

Now the bad news:

1. QRP-L discount price: \$580.00
2. Optional microphone price: \$29.00
3. Be advised, there will be a general price increase about October 28, approximately 8%.

I posted this to the list to let the new subscribers (new since last May) know about this group purchase. Tomorrow I will put together a distribution list and renotify those who have previously expressed an interest.

If you're interested in this group purchase please email me directly at:
slee@u.washington.edu

>From here on out let's take this thread off the list. Usual disclaimer applies...I don't work for Index Labs or otherwise profit from their business.

Stephen Lee
AB7Hi

From qrp-l@Lehigh.EDU Mon Sep 11 19:52:00 1995
From: w9sz@prairienet.org (Zack Widup)
Subject: [3143] Results, VHF QSO Party
Message-ID: <199509110451.XAA03886@firefly.prairienet.org>

ARRL VHF QSO PARTY 1995

Call: W9SZ	Country: USA
State: ILLINOIS	Category: Single Operator QRP
Grid Square: EN60af	Operating time: 7 hours

BAND	QSO	QSO PTS	GRIDS
144	22	22	14

432	11	22	8
1296	1	3	1

Totals	34	47	23	=	1,081
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Equipment Description:

HTX-100 IF rig

Homebrew transverters:

144 MHz 5 watts out (WB4EHS design, HAM RADIO July 1989)

432 MHz 5 watts out (KA9LNV design)

1296 MHz 5 watts out (KK7B design + amp)

Antennas:

144 MHz 12-el. yagi

432 MHz 15-el. yagi

1296 MHz 24-el. loop yagi

Club Affiliation: None

Comments:

The weather was P-E-R-F-E-C-T ! How could I not enjoy myself, being on a hilltop on such a day?

The band condx were worse than normal. Not many openings, they were relatively short.

I didn't hear a lot of the regulars I work in this contest. Where were you guys?

This is to certify that in this contest I have operated my transmitter within the limitations of my license and have observed fully the rules and regulations of the contest.

Zack W9SZ

From qrp-1@Lehigh.EDU Mon Sep 11 19:52:00 1995

From: burdick@interval.com (Wayne Burdick)

Subject: [3149] update: new Sierra changes and additions

Message-ID: <v02130520ac7a61ff86cf@[199.170.106.28]>

Hi folks,

Thought I'd get you up to date on the changes that I'm making to the Sierra transceiver. NorCal members field-tested 120 Sierras last year, and I got a lot of good input from them. The new Sierra, which is expected to start

shipping in December, will be a significant improvement over the original. Thanks again to all who tested the rig and sent me suggestions.

This list is not all-inclusive; I've left out minor component tweaks. Also, we may revise the list a bit over the next month. One thing that won't change is the low current drain: it will still draw only about 35mA on receive.

- * There will be a number of changes to the transmit circuitry to improve stability on the higher bands, and make alignment and power output more consistent from band-to-band.

- * Added true sidetone with level adjustment. This was necessary because the TX monitor level varied somewhat with the position of the RF gain and drive controls as well as the particular band in use. The new sidetone is constant-level and only slightly different in timbre than the original tone. The TX monitor tone is also still available for alignment purposes.

- * Front and rear panels will now be stiffened using two L-brackets each that hold the panels to the bottom of the case. The top will still come off using only the two plastic latches. Removing the bottom will now require removal of six screws (all of the same size).

- * Added a AGC threshold setting control, dual-JFET mute circuit after the product detector, and various minor changes to improve the receiver's audio performance.

- * There will (I hope) be ejector handles for the band modules. If I don't get them ready by December there will be a modification kit sent out later. Hopefully this will also work on the original Sierra--more details later.

- * Nearly all of the connections and circuitry needed to put in a KC1 keyer/counter will be included on the Sierra PC board.

- * Chassis will be supplied silkscreened and painted, with a two-tone, textured finish (same color scheme as the Wilderness NorCal 40A).

By the way, if you're thinking about ordering a Sierra, Wilderness Radio will give you a \$15 discount on all Sierra orders received by October 1. This date is significant because Bob Dyer will decide how many Sierras to build in the first run based on orders received to that date. At the very least, please let Bob know if you're planning to order the kit later. He can be reached at 415-484-3806.

Wayne

From qrp-1@Lehigh.EDU Mon Sep 11 19:52:00 1995
From: myers@bigboy73.West.Sun.COM (Dana Myers)
Subject: [3148] Re: Coherent CW Library
Message-ID: <199509111909.MAA00402@sunspot.West.Sun.COM>

> From JFM001@DENTAL3.AB.UMD.EDU Mon Sep 11 12:08:02 1995

[Announcement of Coherent CW article archives deleted]

> Most of the articles are from Ray Petit, W7GHH; Adrian Weiss,
> K8EEG/O; Charles Woodsen, W6NEY; Peter Lumb, G3IRM and Bill de
> Carle, VE2IQ.

A very minor nit; I believe Adrian Weiss' correct callsign is
W0RSP, and he has shown up on the QRP-L a few times.

I'm delighted to hear about this archive!

From qrp-1@Lehigh.EDU Mon Sep 11 19:52:00 1995
From: "David D. Meacham" <ddm@datatamers.com>
Subject: [3139] Re: E Mail Adr
Message-ID: <Pine.LNX.3.91.950910170337.32136C-100000@dt1.datatamers.com>

Ed, He is NOT on line. Use snail mail, packet, or telephone.
72, Dave, W6EMD

On Sun, 10 Sep 1995 K5ERJ@aol.com wrote:

> Does anyone have an E mail address for Jim Cates, WA6GER? If he has one I
> have not seen it come across the screen. It may be that he is not online.
>
> Tnx es 73
>
> Ed K5ERJ (K5ERJ@aol.com) QRP ARCI 8956
>

>

From qrp-1@Lehigh.EDU Mon Sep 11 19:52:00 1995
From: "John D. Spittle" <jds@freenet.vancouver.bc.ca>
Subject: [3150] Re: Epiphyte Digi readout pcb?
Message-ID: <Pine.3.89.9509111453.A4513-0100000@opus.freenet.vancouver.bc.ca>

Hi Frank:

Presumably you are referring to my article in SPRAT #83. I never submitted a copy of my PCB layout as it used an M706BI 50Hz timebase.. This chip is no longer manufactured and I have given up on finding an 8-pin equivalent. Seems you will have to go with the "alternative" circuit given for the clock.

PLEASE NOTE ONE SMALL ERROR IN MY CIRCUIT AS SHOWN IN BOTH SPRAT & QRPP. U-1 incorrectly shows two Pin 15s. Pin 15 goes to the re-set line as shown; the other Pin 15, the input from the 2N3904, should have been numbered PIN 13. My apologies for not having posted this correction earlier.

Incidentally, I will be in the UK for a short vacation in about 10 days time and expect to visit George. I will discuss with him whether there is sufficient interest in coming up with a PCB. Main problem is that it is not multiplexed and requires 32 wires to the display (not everyone's cup of tea!) or some pretty fine artwork. I will be bring one with me on this trip. Maybe we can cross paths. George will know how to get hold of me.

72/73 Derry VE7QK

On Mon, 11 Sep 1995
frank@yorks.demon.co.uk wrote:

> Hi, can anyone tell me if a pcb is available for the digital readout
> for the Epiphyte, as described in SPRAT?
> Thanks & 72/3
> --
> Frank G3YCC (G QRP 042)
> Email: frank@yorks.demon.co.uk
>
>

From qrp-1@Lehigh.EDU Mon Sep 11 19:52:00 1995

From: KG7PV@aol.com
Subject: [3141] Re: IRF510 - IRF511?
Message-ID: <950910214919_96124708@emout04.mail.aol.com>

The June 95 QRPp newsletter has an article on the "73 special" using either the IRF510 or the IRF511 so looks like they are close. You might want to compare the schematic from that article with the amp you are building. I used two little perf board pc's to make filters and switched them with diodes - see the QRP Notebook #2 p 48. Works great. As far as an attenuator see the Sept 94 QRPp for a W7EL amp with a simple 3 db pad attenuator or see the book Solid State Design page 64 for a similar design. Good luck om.
de Steve KG7PV

From qrp-l@Lehigh.EDU Mon Sep 11 19:52:00 1995
From: "N100Q Tom R. @ MR01 11-Sep-1995 1003" <randolph@est.ENET.dec.com>
Subject: [3145] re: Japanese inductors
Message-ID: <9509111419.AA13018@us4rmc.pko.dec.com>

Hey, destroying perfectly good TV sets... one of my favorite pastimes!

Yah, you can probably assume that "brown dot, green dot, brown end" means 150 uH. I can actually measure these thingers on the fancy HP analyzers we have here at work... I usually write the value on the part so I don't have to remember these oddball color-code schemes. "Two dots with multiplier on the end" is one sortof standard scheme.

Hmm... that reminds me, I'll have to look around for someone's old TV set on the curb. Winter's coming, gotta have something to keep me busy. I haven't needed to buy any resistors or caps since I started doing this! You still need to buy toroid cores, air-variable caps, most chips, etc. BTW, a good source of wire is junked RS232 type computer cables. Slit the jacket, pull off the braid (nice thick stuff for grounding things), pull out the wires... a 10 foot cable gets you 250 feet of wire!
If you like solid wire better than stranded, do the same thing to telephone cable.

I have a Japanese transistor databook, now all I have to do is figure out which TV set transistors are good for what use...

-Tom R. N100Q randolph@est.enet.dec.com